

IN THE SPECIFICATION:

Please amend the specification as by substituting the following replacement sections to pages 4, 23 and 24. A marked-up copy of these sections, showing the changes made thereto, is attached as Exhibit A.

✓  
The paragraph starting and ending at page 4, line 22 has been amended as follows:

A1 --Figures 11a-11d show an exemplary embodiment of the user interface for the bandwidth meter.--

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The paragraphs starting at page 23, line 4 and ending at page 24, line 10 have been amended as follows:

A2 --Figure 10 is a block diagram depicting an exemplary embodiment of a bandwidth indicator as used by the present invention. The bandwidth indicator interface with the bandwidth optimizer to obtain information needed for a user interface. The user interface is described in greater detail in the discussion of Figures 11a-11d, below. In an exemplary embodiment, the bandwidth indicator 1000 is implemented in software and includes an indicator module 1002 and a bandwidth meter 1004. The indicator module 1002 received information from the bandwidth determination module 702, the monitor 706, and the restriction module 710 and outputs information to the bandwidth meter 1004. The bandwidth meter 1004 uses this information to create the user interface described in Figures 11a-11d. The bandwidth determination module 702 sends the values of the maximum inbound and outbound bandwidth to the indicator module 1002. The monitor 706 sends inbound and outbound backlog information to the indicator module 1002. The backlog information is used to determine both the transmission rate for the data that was actually sent

and the transmission rate that would actually sent and the transmission rate that would be required to prevent a backlog. The restriction module 710 sends the outbound restriction rate to the indicator module 1002. The sender provides the inbound restriction rate to the indicator module 1002. If either rate has been restricted, then this lower rate is used as the scale for the bandwidth meter user interface. If the rates have not been restricted, then the maximum bandwidth received from the bandwidth determination module will be used as the scale for the user interface. The indicator module 1002 uses the rate information to provide inbound and outbound values to the bandwidth meter 1004. These values include the maximum transmission rate, the current transmission rate, and the rate required to maintain data flow without backlog.

Figures 11a-11d show an exemplary embodiment of the user interface for the bandwidth meter. The bandwidth meter window 1100 includes an inbound bandwidth scale 1102 and an outbound bandwidth scale 1104. Each scale 1102, 1104 includes a horizontal histogram meter 1108 and a percentage value 1106. The percentage value 1106 is represented graphically on the horizontal histogram meter 1108. Each scale represents the maximum rate of transmission for multimedia data and may include three parts. The first part 1110 indicates the current rate of data transmission, the second part 1112 indicates the amount of available bandwidth, and the third part 1114 indicates the increase in rate required to maintain desired data flow without backlog.--

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